Application No. 09/200,418 Amendment dated June 14, 2004 Reply to Office Action of March 1, 2004

Amendments To the Drawings:

The attached sheet of drawings includes changes to Fig. 3. This sheet, which includes Figs. 3 and 4, replaces the original sheet including Figs. 3 and 4. In Fig. 3, previously appearing "(see note below)" has been stricken.

Attachment: Replacement Sheet

Annotated Sheet Showing Changes



Appl.No.09/735,291 Amdt.Dated June 11, 2004 Reply to Office action of Mar. 1, 2004 Replacement Sheet

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PSEUDORANDOM PATTERN GENERATION

PATTERN TYPE $2^3 - 1$ $2^4 - 1$ $2^5 - 1$ $2^6 - 1$ $2^7 - 1$ Fractional T1 LB Activate $2^7 - 1$ Fractional T1 LB Deactivate $2^9 - 1$ 0.153 (511 type) $2^{10} - 1$ $2^{11} - 1$ 0.152 and 0.153 (2047 type) $2^{15} - 1$ 0.151 $2^{17} - 1$ $2^{18} - 1$ $2^{20} - 1$ 0.153 $2^{20} - 1$ 0.151 QRSS (PCR. 6=1) $2^{21} - 1$ $2^{22} - 1$ $2^{23} - 1$ 0.151 $2^{25} - 1$ $2^{28} - 1$ $2^{29} - 1$ $2^{31} - 1$ $2^{32} - 1$	PSEUDORANDOM PATTERN GENERATION		
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$2^{11}-1$ 0.152 and 0.153 (2047 type) $2^{15}-1$ 0.151 $2^{17}-1$ $2^{18}-1$ $2^{20}-1$ 0.153 $2^{20}-1$ 0.151 QRSS (PCR. 6=1) $2^{21}-1$ $2^{22}-1$ $2^{23}-1$ 0.151 $2^{25}-1$ $2^{28}-1$	<u> </u>	0.153 (511 type)	
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2 ²⁰ -1 0.153 2 ²⁰ -1 0.151 QRSS (PCR. 6=1) 2 ²¹ -1 2 ²² -1 2 ²³ -1 0.151 2 ²⁵ -1 2 ²⁸ -1			
2 ²⁰ -1 0.151 QRSS (PCR. 6=1) 2 ²¹ -1 2 ²² -1 2 ²³ -1 0.151 2 ²⁵ -1 2 ²⁸ -1			
$2^{21} - 1$ $2^{22} - 1$ $2^{23} - 1$ 0.151 $2^{25} - 1$ $2^{28} - 1$	2 ²⁰ -1	0.153	
2 ²² -1 2 ²³ -1 0.151 2 ²⁵ -1 2 ²⁸ -1		0.151 QRSS (PCR. 6=1)	
2 ²³ -1 0.151 2 ²⁵ -1 2 ²⁸ -1			
2 ²⁵ ₋₁			
2 ²⁸ ₋₁	L	0.151	
2 ²⁸ -1 2 ²⁹ -1 2 ³¹ -1 2 ³² -1			
2 ²⁹ -1 2 ³¹ -1 2 ³² -1	2 ²⁸ –1		
2 ³¹ ₋₁ 2 ³² -1	2 ²⁹ -1		
2 ³² –1	2 ³¹ -1		
	2 ³² -1		

REPETITIVE PATTERN GENERATION

PATTERN TYPE		
all ones		
all zeros		
alternating ones and zeros		
double alternating ones and zeros		
3 in 24		
1 in 16		
1 in 8		
1 in 4		
D4 Line Loopback Activate		
D4 Line Loopback Deactivate		

FIG. 4



Appl.No.09/735,291 Amdt.Dated June 11, 2004 Reply to Office action of Mar. 1, 2004 Annotated Sheet Showing Changes

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PSEUDORANDOM PATTERN GENERATION

	ANDOM PATIERN GENERATION
PATTERN	TYPE
2 ³ -1	
2 ⁴ –1	
2 ⁵ –1	
2 ⁶ -1	
2 ⁷ –1	
	Fractional T1 LB Activate
2 ⁷ –1	Fractional T1 LB Deactivate
2 ⁷ -1 2 ⁹ -1	0.153 (511 type)
2 ¹⁰ -1	
2 ¹¹ -1	0.152 and 0.153 (2047 type)
2 ¹⁵ -1	0.151
2 ¹⁷ -1	
2 ¹⁸ -1	
2 ²⁰ –1	0.153
2 ²⁰ –1	0.151 QRSS (PCR. 6=1)
2 ²¹ -1	
2 ²² -1	
2 ²³ –1	0.151
- ₂ 25 <u>-1</u> -	
2 ²⁸ -1	
2 ²⁹ –1	
2 ³¹ -1	
2 ³² -1	(see note below)

FIG. 3

REPETITIVE PATTERN GENERATION

PATTERN TYPE		
all ones		
all zeros		
alternating ones and zeros		
double alternating ones and zeros		
3 in 24		
1 in 16		
1 in 8		
1 in 4		
D4 Line Loopback Activate		
D4 Line Loopback Deactivate		

FIG. 4